

## WHAT IS CLAIMED IS:

1. An LVDS switch control device for a portable apparatus, comprising:

an LVDS transducer, which transforms an image information for the  
5 portable apparatus into LVDS signals;

a buffer for preventing the impedance mis-matching problem caused by too long a distance between the LVDS transducer and a connection pedestal as the portable apparatus is not assembled on the connection pedestal, and receiving the LVDS signals transmitted by the  
10 connection pedestal as the portable apparatus is assembled on the connection pedestal;

a detector producing a correct assembling signal as the portable apparatus is correctly assembled on the connection pedestal; and

an LVDS switcher having a first input end, a second input end and  
15 an output end, wherein the first input end connects the detector;

wherein when the detector produces the correct assembling signal, the output end of the LVDS switcher will produce a signal that disables the LVDS transducer and enables the buffer so that the LVDS signals outputted by the connection pedestal will be transmitted to a display panel of the  
20 portable apparatus.

2. The LVDS switch control device as claimed in claim 1, wherein the LVDS switcher has a first resistor, a second resistor, a first transistor and a second transistor, the gate of the first transistor is coupled to the first input end of the LVDS switcher, the drain of the first transistor is

coupled to a first low potential, the source of the first transistor is coupled to a first end of the first resistor and the source of the second transistor, the second end of the first resistor is coupled to a first high potential, the drain of the second transistor is coupled to a second low potential, the gate of the second transistor is coupled to the second input end of the LVDS switcher and a first end of the second resistor, and the second end of the second resistor is coupled to a second high potential.

3. The LVDS switch control device as claimed in claim 2, further comprising a microprocessor, of which a pin is coupled to the second input end of the LVDS switcher, wherein the microprocessor produces a high potential at the pin to enable the LVDS switcher and to disable the buffer when the detector does not produce the correct assembling signal, so that the image information of the portable apparatus is transformed into LVDS signals, which are subsequently transmitted to the display panel of the portable apparatus.

4. The LVDS switch control device as claimed in claim 2, wherein the first transistor and the second transistor are PNP transistors.